

ABSTRACT OF THE DISCLOSURE

A maximum output of a fuel cell and a capacitance of a capacitor are set so as to be near a point at which a lower limit (a solid line "A" in Figure 2) of a range in which a first condition is satisfied intersects a lower limit (a dashed line "B" in Figure 2) of a range in which a second condition is satisfied. In the first condition, full acceleration at start time for obtaining a predetermined high vehicle speed by starting a vehicle at the maximum acceleration required of the vehicle can be repeatedly performed. In the second condition, full acceleration at a medium vehicle speed for increasing a vehicle speed from a medium vehicle speed by approximately 30km/h at the maximum acceleration required of the vehicle can be repeatedly performed. Then, the fuel cell and the capacitor of this performance are mounted on the electric vehicle. As a result, it is possible to use the fuel cell and the capacitor both of whose performance is suitable for dynamic characteristics required for the vehicle, enhance the energy efficiency, and reduce the cost of the electric vehicle.